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CELERY AND LETTUCE VARIETY TRIALS - 1972

MUCK CROPS BRANCH

CELERYVILLE, OHIO

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OHIO AGRICULTURAL R & D CENTER

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LATE CELERY VARIETY TRIALS - 1972

Muck Crops Branch
Celeryville, Ohio

E. K. Alban¹ and Edward Postema²

Twenty varieties or strains of varieties of celery were compared in replicated trials. The results of the plantings are given in Table I.

CULTURAL INFORMATION

Seed Sown: greenhouse - April 4, transplanted to greenhouse benches April 24-25, and set in field May 23.

Fertilizer: 900 lbs./A of 0-25-25 applied after planting and disked in. Side dressing of ammonium nitrate approximately two and four weeks after field setting.

Spacing: Paired rows spaced 34 inches with 40 inches between paired rows for better equipment clearance. Plants were spaced approximately 6.5 inches in the row, with 41 plants per 23 foot plot, 41 plants for record. Each single row plot replicated six times in each planting.

Pesticide: Seven applications of Dyrene fungicide applied at weekly intervals with an insecticide of malathion.

Growing Conditions: Rainfall during the growing season as follows:

| | |
|--------|-------|
| June | 6.28" |
| July | 4.01" |
| August | 4.32" |

Harvest Date: August 30,31, Sept. 1,5

SOURCES OF SEED

- A-1 Abbott & Cobb, 4744-46 Frankford Ave., Philadelphia, Pa. 19124
 - F-1 Ferry-Morse Seed Co., Box 100, Mountainview, Calif. 94040
 - H-1 Joseph Harris Seed Co., Inc. Moreton Farm, Rochester, N. Y. 14624
 - K-3 Keystone Seed Co., Box 1438, Hollister, Calif. 95023
 - S-6 Seiger's, 7245 Imlay City Road, Imlay City, Michigan 48444
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TABLE 1. CELERY VARIETIES FOR LATE HARVEST, 1972
Celeryville, Ohio

VC '72, p.2

(6 Replications)

| Variety and Source | Avg. | Yield per Plot ¹ | | | Pet. | Pet. | Pet. | Trim | Remarks |
|----------------------------|---------|-----------------------------|-------|---------|--------|------|------|------|---------|
| | Wt. per | Large | Small | Market- | ct. 4" | Lngh | Lngh | Loss | |
| | Large | | | | | | | | |
| | Stalk | | | | Butt- | | all | | |
| | lbs. | lbs. | lbs. | lbs. | | in. | in. | % | |
| 14. Florida 683 A-1 | 1.9 | 65.5 | 2.3 | 67.8 | 11.3 | 8.5 | 23.6 | 30.7 | |
| 12. Celery 3037 F-1 | 1.8 | 64.6 | 1.1 | 65.7 | 10.3 | 9.1 | 24.8 | 23.7 | |
| 8. Celery 8191 F-1 | 1.8 | 62.0 | 2.6 | 64.6 | 10.7 | 8.6 | 24.8 | 32.8 | |
| 6. 52-70 R K-3 | 1.8 | 61.3 | 2.7 | 64.0 | 9.1 | 9.2 | 24.6 | 30.7 | |
| 19. Tall Greenlight H-1 | 1.8 | 59.2 | 3.0 | 62.2 | 13.4 | 9.1 | 24.2 | 31.7 | |
| 10. Celery 8190 F-1 | 1.7 | 57.0 | 4.2 | 61.2 | 11.5 | 9.8 | 26.1 | 36.7 | |
| 9. Celery E 0207 F-1 | 1.8 | 55.7 | 5.1 | 60.8 | 10.9 | 10.6 | 24.6 | 37.2 | |
| 4. Earlibelle K-3 | 1.6 | 55.5 | 3.0 | 58.5 | 10.1 | 7.9 | 22.7 | 32.5 | |
| 2. Florida 2-13 F-1 | 1.7 | 55.2 | 3.2 | 58.4 | 11.7 | 9.3 | 24.8 | 32.4 | |
| 7. Beacon K-3 | 1.7 | 54.3 | 3.1 | 57.4 | 10.1 | 8.1 | 22.4 | 30.0 | |
| LSD at 5% level | | 11.5 | | 11.1 | | | | | |

1. Yield per plot of 23 feet. To convert to 60 lb. crates/A, multiply by 9.71

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TABLE 1. CELERY VARIETIES FOR LATE HARVEST, 1972
Celeryville, Ohio

VC '72, p.3

(6 Replications)

| Variety and Source | Avg. Wt. per Large Stalk | Yield per Plot ¹ | | | Pet. ct. 4" above Butt- | Pet. Lngth Butt- 1 node | Pet. Lngth Over- all | Trim Loss | Remarks |
|---------------------------|-----------------------------------|-----------------------------|-----------------|------------------|----------------------------------|----------------------------------|-------------------------------|--------------|---------|
| | | Large Stalks | Small Stalks | Market- ables | | | | | |
| | lbs. | lbs. | lbs. | lbs. | | in. | in. | % | |
| 16. Celery 3099 F-1 | 1.8 | 53.5 | 3.5 | 57.0 | 10.4 | 10.2 | 24.7 | 35.2 | |
| 15. Tender Crisps F-1 | 1.7 | 53.1 | 4.1 | 57.2 | 10.8 | 9.3 | 24.2 | 31.9 | |
| 5. Florida 2-14 K-3 | 1.6 | 52.7 | 3.7 | 56.4 | 11.6 | 8.9 | 23.2 | 30.6 | |
| 3. Florida 683 F-1 | 1.7 | 52.7 | 3.2 | 55.9 | 12.1 | 8.4 | 23.4 | 31.6 | |
| 17. Celery 3036 F-1 | 1.5 | 52.6 | 1.8 | 54.4 | 11.0 | 9.2 | 25.5 | 46.1 | |
| 13. Improved 52-70 A-1 | 1.7 | 52.3 | 4.9 | 57.2 | 10.5 | 8.7 | 23.7 | 30.2 | |
| 1. Florida 2-13 H-1 | 1.7 | 51.8 | 3.2 | 55.0 | 10.4 | 8.9 | 23.4 | 32.4 | |
| 20. Utah Pascal S-6 | 1.5 | 49.1 | 3.7 | 53.8 | 13.1 | 7.1 | 23.0 | 40.4 | |
| 11. Celery 15-C9 F-1 | 2.1 | 44.7 | 4.3 | 49.0 | 9.7 | 9.9 | 24.9 | 35.6 | |
| 18. Florimart F-1 | 1.4 | 40.8 | 3.7 | 44.5 | 11.7 | 8.5 | 20.1 | 33.9 | |
| LSD at 5% level | | 11.5 | | 11.1 | | | | | |

1. Yield per plot of 23 feet. To convert to 60 lb. crates/A, multiply by 9.71

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